



# kramer

## BC-UNIKAT

CAT6A U/FTP Video & LAN Bulk Cable –  
Low Smoke & Halogen Free

| Ethernet - RJ-45 | DGKat | HDBaseT



Kramer's BC-UNIKAT cable is a unified CAT6a cable that handles all Pro AV and IT signals. Over four individually screened twisted pairs, this U/FTP CAT6A cable runs Kramer's DGKat™ technology, 4K HDBaseT™ technology or LAN applications and ensures optimal signal performance

## FEATURES

**Quality Construction** - 4 shielded twisted pairs (U/FTP) of 23AWG solid copper conductors are cabled together in an unshielded outer jacket

**Optimized for Kramer Hardware** - Use with any of Kramer's wide range of twisted pair digital transmitter-receiver sets. Terminate with shielded transmitter-receiver sets (DGKat™ and HDBaseT) and shielded RJ-45 connectors

**HDBaseT Recommended** - [www.hdbaset.org/hdbaset-recommended-cables/](http://www.hdbaset.org/hdbaset-recommended-cables/)

**Reaction to Fire Classification** - Dca-s2,d1,a1 (optional: B2ca-s1,d1,a1)

**RJ-45 Connector** - The larger diameter 23AWG twisted pair cable requires a suited RJ-45 connector. Use the K-LAN CON-RJ45-3

**Length** - Available in reel boxes of 100m (328ft) & wooden drums of 305/500m (1000/1640ft)



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## TECHNICAL SPECIFICATIONS

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|------------------------------------|---|
| CONDUCTORS                         | Size: 4x2x23AWG<br>Material: Annealed copper<br>Diameter: 0.56mm ±0.01mm  |
| INSULATION                         | Material: Skin/Foam/Skin HDPE<br>Diameter: 1.33mm ±0.10mm<br>Color Code: White/Blue, White/Orange, White/Green, White/Brown   |
| SCREENING                          | Material: Alu/PET per pair (Alu side out)   |
| DRAIN WIRE                         | Material: Tinned copper<br>Diameter: 0.4mm ±0.01mm  |
| JACKET                             | Material: LSHF<br>Color: Blue RAL 5012<br>Thickness: ≥0.5mm<br>Diameter: 7.2mm ±0.2mm   |
| ELECTRICAL                         | Impedance: 1–100MHz: 100Ω ±15Ω, 100–250MHz: 100Ω ±20Ω, 250–500MHz: 100Ω ±25Ω<br>Propagation Velocity (NVP): 76%<br>Voltage Rating: 60V<br>Delay Skew: <45ns<br>Mutual Pair Capacitance: ≤42pF/m<br>Capacitance Unbalance Pair/ground: ≤1500pF/km<br>Conductor DC Resistance: <79.8Ω/km<br>Pair Resistance Unbalance DC: <1.5%<br>Dielectric Strength: 2.5kV DC (2s)<br>Insulation Resistance (500V): >5000MΩ/km |
| USAGE AND ENVIRONMENTAL            | Storage / Transport / Installation Temperature: 0°C to +50°C<br>Operation Temperature: –20°C to +60°C   |
| MECHANICAL                         | Maximum Pulling Tension: 100N<br>Bending Radius - Installed: 50mm<br>Bending Radius - During Installation: 60mm   |
| STANDARDS COMPLIANCE - EC VERIFIED | Electrical: EIA/TIA 568A, ISO/IEC 11801<br>Fire Performance: IEC 60332-1<br>Smoke Density: IEC 61034  |

Halogen Free: IEC 60754

RoHS: 2011/65/EU

STANDARDS  
COMPLIANCE

Reaction to Fire Classification Dca-s2,d1,a1 (optional: B2ca-s1,d1,a1)



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## CONFIGURATIONS

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|                        |   |
|------------------------|---|
| BC-UNIKAT/LSHF-100M    | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue)   |
| BC-UNIKAT/LSHF-305M    | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue)   |
| BC-UNIKAT/LSHF-500M    | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue)   |
| BC-UNIKAT/LSHF/BK-305M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Black)  |
| BC-UNIKAT/B2ca-305M    | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Black jacket and Reaction to fire, in accordance with Regulation (EU) No 305/2011, B2ca-s1,d1,a1) |
| BC-UNIKat/LSHF/GR-500M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Gray)   |

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